

Zone File Sharing Discussion

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zone file sharing benefits



Zone file sharing can provide several benefits, including:



- Improved data security: Sharing zone files between multiple servers can reduce the risk of data loss or corruption.
- Increased reliability: By sharing zone files, you can ensure that your DNS information is always available, even if one server fails.
- Better resource utilization: Sharing zone files can help you better utilize your resources by reducing the load on individual servers.
- Ease of management: Sharing zone files can simplify the management of your DNS infrastructure, as you only need to make changes in one place to update all servers.
- Enhanced scalability: As your network grows, you can easily add new servers to share the load of your DNS infrastructure by using zone file sharing.
- Improved performance: Sharing zone files can improve the performance of your DNS infrastructure by reducing the number of DNS queries required to resolve a request.



zone file sharing risks



Zone file sharing can also have some risks, including:



- Security risks: If your zone file sharing system is not properly secured, it may be vulnerable to attack, potentially exposing sensitive information or enabling unauthorized changes to your DNS records.
- Data consistency risks: If multiple servers are making changes to the same zone file simultaneously, it can lead to conflicts and data inconsistencies.
- Configuration errors: Incorrect configuration of your zone file sharing system can cause DNS resolution issues, leading to downtime and potential loss of revenue.
- Complexity: Zone file sharing systems can be complex to set up and manage, and may require specialized expertise to troubleshoot and maintain.
- Dependency risks: If the system responsible for sharing zone files fails, it can cause widespread DNS resolution issues, impacting the availability of your network services.

It's important to carefully consider the risks and benefits of zone file sharing before implementing it in your network infrastructure. Proper planning, implementation, and ongoing maintenance can help mitigate the risks and ensure a successful implementation.



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1. Transparency
 2. Search Engine can use it for optimization
 3. Analyze the registration data
 4. Anti-DNS-abuse opportunity(block domain name imposters?)
 5. Data-backup
 6. Business opportunity?



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1. Government regulations
 2. Easy for domain squatting?
 3. Lose business information?



gTLD's zone data is available

Registry operators must provide to ICANN bulk access to the zone files of the Generic Top Level Domain (gTLD) at least on a daily basis. For gTLDs, a zone file contains information about domain names that are active in that gTLD. In general, Internet users may be able to access and download zone file data at no cost for certain purposes. The Internet user must either sign an agreement with the registry that operates that TLD, or electronically sign the agreement via [ICANN Centralized Zone Data Service \(CZDS\)](#), depending on which version of the base registry agreement governs the relationship between ICANN and the registry operator.



ccTLD

means

country code Top Level Domain

How about ccTLD's zone data?

THANK YOU
VERY MUCH